

Maryland Historical Trust
State Historic Sites Inventory Form

MARYLAND INVENTORY OF
HISTORIC PROPERTIES

Survey No. M:29-52 -1

Magi No.

DOE ☐ yes ☐ no

1. Name (indicate preferred name)

historic Storage Building, Guard House, Well House, Sandblast Shed, and Substation;
David Taylor Model Basin

and/or common Building #'s 115,123,132,144,153, Naval Surface Warfare Center, Carderock
Division

2. Location

street & number 9500 MacArthur Blvd. ☐ not for publication

city, town Bethesda N/A vicinity of congressional district 8th

state Maryland county Montgomery

3. Classification

Category	Ownership	Status	Present Use
<input checked="" type="checkbox"/> district	<input checked="" type="checkbox"/> public	<input type="checkbox"/> occupied	<input type="checkbox"/> agriculture <input type="checkbox"/> museum
<input checked="" type="checkbox"/> building(s)	<input type="checkbox"/> private	<input checked="" type="checkbox"/> unoccupied	<input type="checkbox"/> commercial <input type="checkbox"/> park
<input type="checkbox"/> structure	<input type="checkbox"/> both	<input type="checkbox"/> work in progress	<input type="checkbox"/> educational <input type="checkbox"/> private residence
<input type="checkbox"/> site	Public Acquisition	Accessible	<input type="checkbox"/> entertainment <input type="checkbox"/> religious
<input type="checkbox"/> object	<input type="checkbox"/> in process	<input checked="" type="checkbox"/> yes: restricted	<input type="checkbox"/> government <input type="checkbox"/> scientific
	<input type="checkbox"/> being considered	<input type="checkbox"/> yes: unrestricted	<input type="checkbox"/> industrial <input type="checkbox"/> transportation
	<input checked="" type="checkbox"/> not applicable	<input type="checkbox"/> no	<input checked="" type="checkbox"/> military <input type="checkbox"/> other:

4. Owner of Property (give names and mailing addresses of all owners)

name United States Navy

street & number 9500 MacArthur Blvd. telephone no.: 301-227-1896

city, town Bethesda state and zip code MD, 20817

5. Location of Legal Description

courthouse, registry of deeds, etc. Land Records Office liber

street & number Montgomery County Courthouse folio

city, town Rockville state MD

6. Representation in Existing Historical Surveys

title NSWC-CD Historic and Archeological Resources Protection Plan

date 1/97 ☒ federal ☐ state ☐ county ☐ local

pository for survey records Public Works Office, NSWC-CD

city, town Bethesda state MD

7. Description

Survey No. M:29-52 - /

Condition

☐ excellent

☒ good

☐ fair

☐ deteriorated

☐ ruins

☐ unexposed

Check one

☐ unaltered

☒ altered

Check one

☒ original site

☐ moved date of move _____

Prepare both a summary paragraph and a general description of the resource and its various elements as it exists today.

SEE CONTINUATION SHEETS

8. Significance

Survey No. M:29-52-/

Period	Areas of Significance—Check and justify below			
<input type="checkbox"/> prehistoric	<input type="checkbox"/> archeology-prehistoric	<input type="checkbox"/> community planning	<input type="checkbox"/> landscape architecture	<input type="checkbox"/> religion
<input type="checkbox"/> 1400-1499	<input type="checkbox"/> archeology-historic	<input type="checkbox"/> conservation	<input type="checkbox"/> law	<input type="checkbox"/> science
<input type="checkbox"/> 500-1599	<input type="checkbox"/> agriculture	<input type="checkbox"/> economics	<input type="checkbox"/> literature	<input type="checkbox"/> sculpture
<input type="checkbox"/> 1600-1699	<input type="checkbox"/> architecture	<input type="checkbox"/> education	<input checked="" type="checkbox"/> military	<input type="checkbox"/> social/
<input type="checkbox"/> 1700-1799	<input type="checkbox"/> art	<input checked="" type="checkbox"/> engineering	<input type="checkbox"/> music	<input type="checkbox"/> humanitarian
<input type="checkbox"/> 1800-1899	<input type="checkbox"/> commerce	<input type="checkbox"/> exploration/settlement	<input type="checkbox"/> philosophy	<input type="checkbox"/> theater
<input checked="" type="checkbox"/> 1900-	<input type="checkbox"/> communications	<input type="checkbox"/> industry	<input type="checkbox"/> politics/government	<input type="checkbox"/> transportation
		<input type="checkbox"/> invention		<input type="checkbox"/> other (specify)

Specific dates

Builder/Architect

check: Applicable Criteria: ☒ A ☐ B ☒ C ☐ D
and/or

Applicable Exception: ☐ A ☐ B ☐ C ☐ D ☐ E ☐ F ☐ G

Level of Significance: ☒ national ☐ state ☐ local

Prepare both a summary paragraph of significance and a general statement of history and support.

SEE CONTINUATION SHEETS

(SEE M:29-47 AND M:29-53 FOR ADDITIONAL INFORMATION)

9. Major Bibliographical References

Survey No. M:29-52 - 1

SEE CONTINUATION SHEETS

10. Geographical Data

Acreage of nominated property N/AQuadrangle name Falls Church, VA

Quadrangle scale _____

UTM References do NOT complete UTM references

A

Zone	Easting			Northing					

B

Zone	Easting			Northing					

C

--	--	--	--	--	--	--	--	--	--

D

--	--	--	--	--	--	--	--	--	--

E

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F

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G

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H

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Verbal boundary description and justification

List all states and counties for properties overlapping state or county boundaries

state	code	county	code
state	code	county	code

11. Form Prepared By

name/title Lex F. Campbell, Historic Preservation Plannerorganization R. Christopher Goodwin & Associates, Inc. date 8/1/98street & number 241 East Fourth St., Suite 100 telephone 301-694-0428city or town Frederick, state Maryland, 21701

The Maryland Historic Sites Inventory was officially created by an Act of the Maryland Legislature to be found in the Annotated Code of Maryland, Article 41, Section 181 KA, 1974 supplement.

The survey and inventory are being prepared for information and record purposes only and do not constitute any infringement of individual property rights.

return to: Maryland Historical Trust
Shaw House
21 State Circle
Annapolis, Maryland 21401
(301) 269-2438

MARYLAND HISTORICAL TRUST
DHCP/DHCD
100 COMMUNITY PLACE
CROWNSVILLE, MD 21032-2023
514-7600

Summary Description

Storage Building (Building #115)

Building # 115 was constructed in 1942 as a storage building. The one-story, concrete-block, building terminates in a shed roof. The building adopts a rectangular footprint and rests on a concrete slab foundation. The southwest elevation exhibits a single metal-door and a one-over-one light, steel sash awning window. Two-over-two light, steel sash, awning windows are located on the side elevations. All window openings feature concrete sills. The interior of the building exhibits concrete-block walls and a poured concrete floor. The building currently is empty.

Guard House (Building #123)

Building #123 was constructed in 1941 as a sentry box. The one-story, wood-frame, building terminates in a shed roof. The building adopts a rectangular footprint and rests on a concrete slab foundation. All exterior walls are finished with horizontal wood siding. A single wood door with a single-light is located on the east elevation. The entrance is protected by a slightly projecting eave. The north and west elevations contain replacement unit, fixed, wood-sash windows. The building is in good condition and currently is unoccupied.

Well House No. 2 (Building #132)

Well House No. 2 was constructed in 1938. The one-story, poured-concrete building terminates in a flat roof with slightly projecting eaves. The building adopts a rectangular footprint and rests on a concrete slab foundation. A single, two-panel, metal door is located on the south elevation. The building contains no windows. The interior contains a mechanical pump set on a concrete floor.

Sandblast Shed (Building #144)

Building #144 was constructed in 1949 as a sandblast shed. The one-story, wood-frame building terminates in a low-pitched, side-gabled roof. The building adopts a rectangular footprint and rests on a concrete slab foundation. The exterior walls are finished with asbestos and metal corrugated siding. The building contains no windows. A metal overhead track door is located on the south elevation. The entrance is protected by an overhanging eave. A one-story, shed-roof porch is appended the west elevation. The porch includes an enclosed, wood-frame equipment closet with a single metal door. A metal chimney projects from the porch roof. A one-story, shed roof addition is appended to the north elevation. The walls are finished with asbestos siding. A single metal-door is located on the west elevation of the addition. The interior of the shed contains a small, metal frame, travelling hoist. The building is in good condition and currently is used for storage.

Substation (Building #153)

Building # 153 was constructed in 1939 as a substation. The one-story poured concrete structure terminates in a flat, built-up roof with projecting eaves. The building adopts an irregular footprint on a

Building #s 115, 123, 132, 144, and 153
Naval Surface Warfare Center, Carderock Division, MHP #M29-52 - /
Carderock, Maryland
Section 7.2

concrete slab foundation. The primary entrance is located on the west elevation and consists of a metal, double-door. Each door contains a single light and louvered vents. Two, four-over-two light, steel-sash, awning windows are located on the rear elevation. All equipment has been removed from the interior of the building. The building is in good condition.

Buildings 115, 123, 132, 144, and 153 are located at the Naval Surface Warfare Center Naval Surface Warfare Center Carderock Division (NSWCCD) which occupies a 183.6 acre tract of land in the Potomac River Valley, in Carderock, Maryland. NSWCCD is located approximately 12 miles northwest of Washington, D.C., along the northern bank of the Potomac River. The installation is bordered to the south by the Clara Barton Parkway and to the north and east by MacArthur Boulevard. The installation comprises 116 buildings and structures. Of these 116 built resources, forty-four buildings, including Building 106, have been identified as contributing resources to the NSWCCD Historic District.

Research laboratories, administration facilities, and operations and utility structures are the main components of the installation. The overall facility achieves architectural unity through its integrated layout and building design. At the center of the installation is an interconnected complex that includes an administration building, a shop building, a laboratory and the David Taylor Model Basin. The Model Basin was listed in the National Register of Historic Places in 1985 (Allison 1984). The majority of buildings and facilities added to the installation after the initial construction of the model basin complex were the direct result of research programs assigned to the installation. Areas of research undertaken at the installation involved underwater explosive testing, aeronautical research, and hydrodynamical research.

Significance

Buildings 115, 123, 132, 144, and 153 are minor contributing elements to the Naval Surface Warfare Center Carderock Division (NSWCCD) Historic District (MIHP # 29-52). These buildings were constructed between 1938-49 as utility buildings to support the overall Research, Development, Testing & Evaluation (RDT&E) activities of the facility. Utility and support buildings were necessary to support the David Taylor Model Basin as a secure and self-sufficient research facility. The buildings incorporate functional designs and typical construction techniques. Building #s 115, 123, 132, and 153 are no longer in use and currently vacant. Building # 144 currently is used for temporary storage. All of the buildings are proposed for demolition.

The NSWCCD Historic District possesses the qualities of exceptional importance defined under National Register Criterion Consideration G within the historic context of Military research, design, testing, and evaluation. In addition, NSWCCD is associated with events that have made a significant contribution to the broad patterns of military technology (Criterion A). The resources also represent an intact collection of RDT&E buildings and facilities (Criterion C). In 1938, the David Taylor Model Basin became the primary site for the research, development, and testing of models of ships and other vehicles for the U.S. Navy. As the center for naval research, design, testing, and evaluation (RDT&E), NSWCCD played a critical role in the design and development of the modern navy. The research facilities at NSWCCD have provided the U.S. Navy with accurate cost effective data of air and sea vehicle performance, and have made possible evaluative changes to improve performance, in advance of construction. The NSWCCD historic district is defined by the period of significance beginning in 1938 and extending to 1958.

NSWCCD comprises 117 buildings and facilities, and includes: administration buildings, industrial buildings and research centers. Of the 17 buildings and structures within Carderock, 67 were constructed during the period of significance (1938-1958), and include an underwater explosion laboratory; scaled subsonic, transonic, and supersonic wind tunnels; a circulating water channel; and, the David Taylor Model Basin (listed in the National Register of Historic Places in 1985). Forty-four of these buildings have been identified as contributing elements to the NSWCCD Historic District. The remaining seventy-three resources do not retain their integrity to convey the period of significance, are not associated with the historic context or were constructed within the last fifty years and do not possess exceptional significance.

Building #s 115, 123, 132, 144, and 153
Naval Surface Warfare Center, Carderock Division, MIHP #M29-52 – /
Carderock, Maryland
Section 8.2

HISTORIC CONTEXT:

MARYLAND COMPREHENSIVE HISTORIC PRESERVATION PLAN DATA

- Geographic Organization: Piedmont
- Chronological/Development Period: Modern Period (1930-Present)
- Historic Period Theme: Military
- Resource Type:
 - Category: Building's
 - Historic Environment: Research and Testing Laboratory Complex
 - Historic Function and Use: Infrastructure support

BIBLIOGRAPHY

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BUILDING #115, STORAGE SHED
NAVAL SURFACE WARFARE CENTER CADDISBROOK DIVISION M:29-SZ-1
MONTGOMERY COUNTY, MD
E. KIERWAN
7/98

VIEW TO THE EAST
PHOTO 1 OF 14

TCF 26-02 MINN+02RU 013



BUILDING # 115, STORAGE SHED
NAVAL SURFACE WARFARE CENTER, CARDEROCK DIVISION
MONTGOMERY COUNTY M: 29-52-1
E. KIERNAN
7/98

VIEW TO THE WEST
PHOTO 2 OF 14

26-02 NNNNNN01AU 013



M: 29-52-1

Bldg 115

NSCW Carderock
Montgomery Co., MD
Goodwin & Assoc. Inc.
1997

1CP 35-03 NNNNN+11RU 075



M: 29-52-1
BUILDING 115
NSWC CARDEROCK
MONTGOMERY CO., MD.
GOODWIN+ ASSOC., INC.
1997

TCP: 35-03 NNNNN+01AU 075



BUILDING #115 STORAGE SHED

NAVAL SURFACE WARFARE CENTER, CARDERLOCK DIVISION M: 29-52-1

MONTCALM COUNTY

E. KIERMAN

7/98

INTERIOR VIEW

PHOTO 3 OF 14

TCP 26-02 NNNNN+07RU 013



BUILDING #123, GUARD HOUSE
NAVAL SURFACE WARFARE CENTER (ARDBROCK) DIVISION, M:29-521
MONTGOMERY COUNTY

E. KIERMAN
7/98

VIEW TO THE WEST
PHOTO 4 OF 14

TCP 26-02 NNNNN+12AU 013



M:29-52-1

BUILDING #123, GUARD HOUSE
NAVAL SURFACE WARFARE CENTER (ARDEBROCK) DIVISION M129-52
MONTGOMERY COUNTY
E. KIERNAN
7/98

VIEW TO THE EAST
Photo 5 of 14

1CP 26-00 NNNNN-03AU 013

17



H: 29-52-1

BUILDING #123, GUARDHOUSE
NAVAL SURFACE WARFARE CENTER CARVER'S DIVISION, M: 29-52

MONTGOMERY COUNTY

E. KIERMAN

7/98

INTERIOR
VIEW

PHOTO 5 OF 14

TCH 26-03 NNNNN-04AU 013



M: 29-52-1
Building 123
NSWC Carderock
Montgomery Co., MD
Goodwin Assoc. Inc.
1997

101 35-01 NNNNN-31RD 025



Bu M:29-52-1

100-35-01 NNNNN+11RU 025



BUILDING #132, WELL HOUSE
NAVAL SURFACE WARFARE CENTER CARDEROCK DIVISION M:29-52-1
MONTGOMERY COUNTY
E. KIERNAN
7/98

VIEW TO THE NORTH
PHOTO 7 OF 14



BUILDING #132, WELL HOUSE

NAVAL SURFACE WARFARE CENTER CARDENAS DIVISION, M29-52-1

MONTGOMERY COUNTY

E. KIERNAN

7/98

SOUTHWEST VIEW

PHOTO 8 OF 14



BUILDING 132

N SNC CARDEROCK

MONTGOMERY CO, MD.

GOODWIN & ASSOCIATES, INC.

1997

TCP 35-02 NNNNN+10RU 023



M:29-52-1
Bldg 132

NSCW Carderock
Montgomery Co., MD
Goodwin & Assoc. Inc.
1997

TCP 35-03 NNNNN+0000 073



M:29-52-1

BUILDING #144, SAND BLAST SHED
NAVAL SURFACE WARFARE CENTER CAROLINA DIVISION, 1129
MONTGOMERY COUNTY
E. KIERNAN
7/98
NORTH VIEW
PHOTO 9 OF 14

TCF 26-84 NNNNN404RU 013



BUILDING #144, SANDBLAST SHED

NAVAL SURFACE WARFARE CENTER CARDEROCK DIVISION, M29-52-1

MONTGOMERY COUNTY

E. KIBERNAN

7/98

NORTHEAST VIEW

PHOTO 10 OF 14

TCP 26-03 NNNNN+06AU 013



My: 29-52-1
Bldg 144
NSWC Carderock
Montgomery Co., MD
Goodwin & Assoc Inc.
1997

TCE 35-01 NNNNN-03AU 074



153

BUILDING #153, SUBSTATION
NAVAL SURFACE WARFARE CENTER CARDEROCK DIVISION, M29-52-1
MONTGOMERY COUNTY
E. KIERMAN
7/98

WEST VIEW, FRONT ELEVATION
PHOTO 11 OF 14



BUILDING 153

M: 29-52✓1

NSWC CARDEROCK

MONTGOMERY CO, MD

GOODWIN + ASSOC INC

1997

1CF 35-01 NNNNN-03RU 075



M:29-52-1

BUILDING #153, SUBSTATION
NAVAL SURFACE WARFARE CENTER CARPEROCK DIVISION
MONTGOMERY COUNTY
E. KIERNAN

7/98

SOUTHEAST VIEW
PHOTO 12 OF 14

TOP 26-82 NNNNN+81AU 815



BUILDING #153, SUBSTATION

NAVAL SURFACE WARFARE CENTER CARDSBACH DIVISION, M:29:52-1

MONT GOMERY COUNTY

E. KIRKMAN

7/98

SOUTHEAST VIEW

PHOTO 13 OF 14

TCP 26-02 NNNNN-1500 013



BUILDING #153, SUBSTATION
NAVAL SURFACE WARFARE CENTER CARVEROCK DIVISION, M29-52-1
MONTGOMERY COUNTY
E. KERNAN
7/18

PARTIAL INTERIOR VIEW
PHOTO 14 TO 14



BUILDING 153

M:29-52-1

NSWIC CARPETROCK

MONTGOMERY CO. MD

GOODWIN + ASSOC, INC.

1997

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